

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/886,313**

DATE: 02/11/2000
TIME: 17:10:41

INPUT SET: S34701.mw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information.

(i) APPLICANT: Wright, Jim A.
Young, Aiping H.

(ii) TITLE OF INVENTION: INHIBITING NEOPLASTIC CELLS UTILIZING THE RIBONUCLEOTIDE REDUCTASE UTR

(iii) NUMBER OF SEQUENCES: 50

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Kohn & Associates
(B) STREET: 30500 Northwestern Hwy.
(C) CITY: Farmington Hills
(D) STATE: Michigan
(E) COUNTRY: US
(F) ZIP: 48334

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Kohn, Kenneth I.
(B) REGISTRATION NUMBER: 30,955
(C) REFERENCE/DOCKET NUMBER: 0237 00000

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (248) 539-5050

(B) TELEFAX: (248) 539-5055

(2) INFORMATION FOR SEQ ID NO.:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 523 base pairs
(B) TYPE: nucleic acid

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47 (C) STRANDEDNESS: single
 48 (D) TOPOLOGY: linear
 49
 50 (ii) MOLECULE TYPE: cDNA
 51
 52 (iii) HYPOTHETICAL: NO
 53
 54 (vi) ORIGINAL SOURCE:
 55 (A) ORGANISM: Homo sapiens
 56
 57 (ix) FEATURE:
 58 (A) NAME/KEY: 3'UTR
 59 (B) LOCATION: 1..523
 60
 61
 62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
 63
 64 GGAAGAGACT GGAAGAGACC AGCATGTCCT CAGTAGCCAA ACTACTTCCT GAGCATAGAT 60
 65 AGGTATAGTG GGTGGCTTG AGGGGTAAG GCTTTGCTGG ACCCTGTTGC AGGCAAAAGG
 66 120
 67 AGTAATTGAT TTAAAGTACT GTTAATGATG TTAATGATT TTTTTAAC TCATATATTG
 68 180
 69 GGATTTTCAC CAAAATAATG CTTTGAAAA AAAGAAAAAA AAAACGGATA TATTGAGAAT
 70 240
 71 CAAAGTAGAA GTTTAGGAA TGCAAAATAA GTCATCTTGC ATACAGGGAG TGTTAACAGTA
 72 300
 73 AGGTTTCATC ACCCATTTAG CATGCTTTTC TGAAGACTTC AGTTTTGTTA AGGAGATTAA
 74 360
 75 GTTTTACTGC TTGACTGGT GGGTCTCTAG AAGCAAAACT GAGTGATAAC TCATGAGAAG
 76 420
 77 TACTGATAGG ACCTTTATCT GGATATGGTC CTATAGGTTA TTCTGAAATA AAGATAAAACA
 78 480
 79 TTTCTAAATG AAAA AAAAAA AAAAAA AAAAAA AAAA
 80 523
 81
 82 (2) INFORMATION FOR SEQ ID NO:2:
 83
 84 (i) SEQUENCE CHARACTERISTICS:
 85 (A) LENGTH: 1136 base pairs
 86 (B) TYPE: nucleic acid
 87 (C) STRANDEDNESS: single
 88 (D) TOPOLOGY: linear
 89
 90 (ii) MOLECULE TYPE: cDNA
 91
 92 (iii) HYPOTHETICAL: NO
 93
 94 (vi) ORIGINAL SOURCE:
 95 (A) ORGANISM: Homo sapiens
 96
 97 (ix) FEATURE:
 98 (A) NAME/KEY: 3'UTR
 99 (B) LOCATION: 1..1136

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100
101
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
103 ATGAACTGAA GATGTGCCCT TACTTGGCTG ATTTTTTTT TCCATCTCAT AAGAAAAATC 60
104 AGCTGAAGTG TTACCAACTA GCCACACCAT GAATTGTCGG TAATGTCAT TAACAGCATC 120
105 TTTAAACATG TGTAGCTACC TCACAAACAG TCCCTGCTGT TTATAGTGC GGTAGTATCA 180
106 CCTTTGCCA GAAGGCCTGG CTGGCTGTGA CTTACCATAG CAGTGACAAT GGCAGCTTG 240
107 GCTTTAAAGT GAGGGGTGAC CCTTTAGTGA GCTTAGCACA GCGGGATTAA ACAGTCCTT 300
108 AACCAGCACA GCCAGTAAAG AGATGCAGCC TCACTGCTTC AACCGAGATT TTAATGTTA 360
109 CCTTAAATTA AACCTGGCAC TTACAAACAA AATAAACATT GTTTGTACT CACGGCGCG 420
110 ATAATAGCTT GATTATTTG GTTCTACAC CAAATACAT CTCCGTACCA CTAATGGGAG 480
111 CCAATTCAACA ATTCACTAAG TGACTAAAGT AAGTTAAACT TGTGTAGACT AACGATGTA 540
112 TTGTTAAGTT TTATTTTAAT GAATTTAAAT ATTTGTTAAC CAACTTTAA GTCACTCCTG 600
113 TGTTACCTA GATATTAGTC AGTTGGTGC AGATAGAAGA CAGGTTGTTGTTTATCCTG 660
114 TGGCTTGTTG AGTGTCTGG GATTCTCTGC CCCCTCTGAG TAGAGTGTG TGGGATAAAG 720
115 GAATCTCTCA GGGCAAGGAG CTTCTTAAGT TAAATCACTA GAAATTAGG GGTGATCTGG 780
116 GCCTTCATAT GTGTGAGAAG CCGTTTCATT TTATTTCTCA CTGTATTTCCTCAACGTCT 840
117 GGTTGTGAG AAAAATTCT TGAAGAGTTT TCATATGTGG GAGCTAAGGT AGTATTGTA 900
118 AATTCAAGT CATCCTTTAA CAAATGATC CACCTAAAGT CTTGCCCTGTTAAGTGGTG 960
119 AAATCAACTA GAGGTGGTTC CTACAAGTTG TTCAATTCTAG TTTGTTTGG TGTAAGTAGG 1020
120 TTGTTGTGAGT TAATTCAATT ATATTTACTA TGTCTGTAA ATCAGAAATT TTTTATTATC 1080
121 TATGTTCTTC TAGATTTAC CTGTAGTTCA TAAAAAAA AAAAAAAA AAAAAA 1136
122 (2) INFORMATION FOR SEQ ID NO:3:
123 (i) SEQUENCE CHARACTERISTICS:
124 (A) LENGTH: 20 base pairs
125 (B) TYPE: nucleic acid
126 (C) STRANDEDNESS: single
127 (D) TOPOLOGY: linear

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153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
155 GOATTTAGGT GACACTATAG
156
157 (2) INFORMATION FOR SEQ ID NO:4: 20
158
159 (i) SEQUENCE CHARACTERISTICS:
160 (A) LENGTH: 18 base pairs
161 (B) TYPE: nucleic acid
162 (C) STRANDEDNESS: single
163 (D) TOPOLOGY: linear
164
165
166
167
168
169
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
171
172 TGAGAAAAAGC GGGGCCTG
173
174 (2) INFORMATION FOR SEQ ID NO:5: 18
175
176 (i) SEQUENCE CHARACTERISTICS:
177 (A) LENGTH: 21 base pairs
178 (B) TYPE: nucleic acid
179 (C) STRANDEDNESS: single
180 (D) TOPOLOGY: linear
181
182
183
184
185
186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
187
188 TAAGTAACTG ATCGTGTGCT C
189
190 (2) INFORMATION FOR SEQ ID NO:6: 21
191
192 (i) SEQUENCE CHARACTERISTICS:
193 (A) LENGTH: 20 base pairs
194 (B) TYPE: nucleic acid
195 (C) STRANDEDNESS: single
196 (D) TOPOLOGY: linear
197
198
199
200
201
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
203
204 GAGTTTTCAT ATCTGGGAGC
205

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206 (2) INFORMATION FOR SEQ ID NO:7: INPUT SET: S34701.raw
207
208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 20 base pairs
210 (B) TYPE: nucleic acid
211 (C) STRANDEDNESS: single
212 (D) TOPOLOGY: linear
213
214
215
216
217
218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
219
220 GAGTTTTCTC ATATGTGGGA
221
222 (2) INFORMATION FOR SEQ ID NO:8: 20
223
224 (i) SEQUENCE CHARACTERISTICS:
225 (A) LENGTH: 20 base pairs
226 (B) TYPE: nucleic acid
227 (C) STRANDEDNESS: single
228 (D) TOPOLOGY: linear
229
230
231
232
233
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
235
236 AATGAACTGAA AGATGTGCC
237
238 (2) INFORMATION FOR SEQ ID NO:9: 20
239
240 (i) SEQUENCE CHARACTERISTICS:
241 (A) LENGTH: 20 base pairs
242 (B) TYPE: nucleic acid
243 (C) STRANDEDNESS: single
244 (D) TOPOLOGY: linear
245
246
247
248
249
250 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
251
252 AGGAATCTCT CAGGGCAAGG
253
254 (2) INFORMATION FOR SEQ ID NO:10: 20
255
256 (i) SEQUENCE CHARACTERISTICS:
257 (A) LENGTH: 20 base pairs
258 (B) TYPE: nucleic acid

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***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

174 (2) INFORMATION FOR SEQ ID NO:5:
175
176 (i) SEQUENCE CHARACTERISTICS:
177 (A) LENGTH: 21 base pairs
178 (B) TYPE: nucleic acid
179 (C) STRANDEDNESS: single
180 (D) TOPOLOGY: linear
181
182
183
184
185
186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
187
188 TAAAGTAAC TG ATCGTGTGCT C

21

895 (2) INFORMATION FOR SEQ ID NO:50:
896
897 (i) SEQUENCE CHARACTERISTICS:
898 (A) LENGTH: 21 base pairs
899 (B) TYPE: nucleic acid
900 (C) STRANDEDNESS: single
901 (D) TOPOLOGY: linear
902
903
904
905
906
907 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:
908
909 TTAAGACTTT TTACGGCATT C

21

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SEQUENCE VERIFICATION REPORT
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Original Text